

MODIS C6 Land Chain Test (04/11/2013)

Objective: Generate land products globally for two 16-day periods from processing of the Terra and Aqua MODIS C6 L1B using the latest version of the C6 Land PGEs or C5 PGEs where C6 version is not available.

Note: Some of the C6 PGEs to be tested in this science test are yet to be delivered (later this week). Though the test plan aims to generate all the land products in one chain of production, we should have the flexibility to run the test in several incremental stages that would enable us run selected down streams as the C6 PGEs become available to process.

Instruments: Terra and Aqua MODIS

Test period: 16-day period starting at 2003001, and 2003193.

Processing of LST will need L1B from 32-days prior to the start day of the period.

Need to process an additional 8-day of Aqua LSR and downstream to account for the 8-day offset in processing of Aqua with respect to the Terra. This will require daily L2, L2G and L3 for Aqua to be processed for additional 8-days at the end of each 16-day period.

Input: C6 L1B & Geolocation, C6 Cloud Mask & Atmospheric Profile, C51 MCDLCHKM & MCDLC1KM. For other ancillary files use same as used in C5 operational processing.

PGE Versions: (C6 PGEs already delivered, C6 PGE to be delivered this week, Use C5 PGE - In all cases verify with STIG)

Land Surface Reflectance: All C6 PGE11, PGE75, and PGE21

Fire: C6 L2 PGE, C5 L3 PGEs

Snow: C6 L2 Snow, C5 L3 Snow

Sea-Ice: C5 L2 PGEs, C5 L3 PGEs

L2G Products: C6 PGEs

Vegetation Index: C6 PGEs

LAI/FPAR: C6 PGEs

BRDF/Albedo: C6 PGEs

Recipe	Version	PGE	Version
AM1M_L1m	3.3.23	PGE08	5.0.8
		PGE30	6.0.6
		PGE07	6.0.2
AM1M_L2m	6.0.2	PGE60	6.0.2
AM1M_C6_L3m	6.1.4	PGE11	6.1.5
AM1M_L5am	3.3.75	PGE33	6.0.4
		PGE12	6.0.4
		PGE13	6.0.6
		PGE80	6.0.0
		PGE14	6.0.1
AM1M_L5bm	3.3.37	PGE43	5.0.14
AM1M_L5Pm	3.3.14	PGE15	5.0.8
		PGE44	5.0.3
		PGE12	6.0.4
AM1M_L7m	6.0.6	PGE75	6.0.6
AM1M_L9m	3.3.9	PGE46	5.0.9
AM1M_L21m	3.3.6	PGE84	5.1.1
AM1M_L10m		PGE45	5.0.9

		PGE29	5.1.8
		PGE21	6.0.3
		PGE34	6.0.1
AM1M_L11m	3.3.10	PGE67	5.0.10
AM1M_L12am	6.0.0	PGE72	6.0.0
AM1M_L12m	6.0.8	PGE35	6.0.3
		PGE25	6.0.5
AM1M_L23m	3.3.14	PGE27	5.2.2
AMPM_L8m	6.0.1	PGE94	6.0.1
AMPM_L10m	6.0.4	PGE34	6.0.1
AMPM_L12m	3.3.17	PGE23	6.0.2 (may have to wait for new delivery)
AMPM_L13m	3.3.3	PGE24	5.0.5 (may have to wait for new delivery)
		PGE82	5.0.5
PM1M_L1m	3.3.12	PGE08	5.0.5
		PGE30	6.0.6
		PGE07	5.0.5
PM1M_L2m	6.0.2	PGE60	6.0.2
PM1M_L3m	6.1.4	PGE11	6.1.5
PM1M_L5am	3.3.75	PGE33	6.0.4
		PGE12	6.0.4
		PGE13	6.0.6
		PGE80	6.0.0
		PGE14	6.0.1
PM1M_L5bm	3.3.37	PGE43	5.0.14
PM1M_L5Pm	3.3.14	PGE15	5.0.8
		PGE44	5.0.3
		PGE12	6.0.4
PM1M_L7m	6.0.6	PGE75	6.0.6
PM1M_L9m	3.3.9	PGE46	5.0.9
PM1M_L21m	3.3.6	PGE84	5.1.1
PM1M_L10m		PGE45	5.0.9
		PGE29	5.1.8
		PGE21	6.0.3
		PGE34	6.0.1
PM1M_L11m	3.3.10	PGE67	5.0.10
PM1M_L12am	6.0.0	PGE72	6.0.0
PM1M_L12m	6.0.8	PGE35	6.0.3
		PGE25	6.0.5
PM1M_L23m	3.3.14	PGE27	5.2.2

Products to archive: All land products full resolution and coarse resolution - including all intermediate products generated by the PGEs.

MCD15A2C
MCD15A3
MCD15A3C
MCD43A1
MCD43A1C
MCD43A2
MCD43A2C
MCD43A3
MCD43A3C
MCD43A4
MCD43A4C
MCD43C1
MCD43C2
MCD43C3
MCD43C4
MCD43D01
MCD43D02
MCD43D03
MCD43D04
MCD43D05
MCD43D06
MCD43D07
MCD43D08
MCD43D09
MCD43D10
MCD43D11
MCD43D12
MCD43D13
MCD43D14
MCD43D15
MCD43D16
MCD43D17
MCD43D18
MCD43D19
MCD43D20
MCD43D21
MCD43D22
MCD43D23
MCD43D24
MCD43D25
MCD43D26
MCD43D27
MCD43D28
MCD43D29
MCD43D30
MCD43D31
MCD43D32
MCD43D33
MCD43D34
MOD02CRS
MOD03CP
MOD09

MOD09A1
MOD09A1C
MOD09CMA
MOD09CMG
MOD09CRS
MOD09GA
MOD09GAC
MOD09GHK
MOD09GQ
MOD09GQC
MOD09GQK
MOD09GST
MOD10A1
MOD10A2
MOD10A2C
MOD10C1
MOD10C2
MOD10_L2
MOD10L2C
MOD10L2G
MOD13A1
MOD13A2
MOD13A1C
MOD13A2C
MOD13C1
MOD13Q1
MOD14
MOD14A1
MOD14A1C
MOD14A2
MOD14A2C
MOD14CRS
MOD14GD
MOD14GN
MOD15A1
MOD15A1C
MOD15A2
MOD15A2C
MOD29
MOD29E1D
MOD29L2C
MOD29P1D
MOD29P1N
MOD29PGD
MOD29PGN
MOD43C3
MOD44CH
MOD44CQ
MOD44CT
MODHDFSR
MODMGGAD
MODMGGAN

MODMGPGD
MODMGPGN
MODPT1KD
MODPT1KN
MODPTHKM
MODPTPGD
MODPTPGN
MODPTQKM
MODQDFSR
MYD02CRS
MYD03CP
MYD09
MYD09A1
MYD09A1C
MYD09CMA
MYD09CMG
MYD09CRS
MYD09GA
MYD09GAC
MYD09GHK
MYD09GQ
MYD09GQC
MYD09GQK
MYD09GST
MYD10A1
MYD10A2
MYD10A2C
MYD10C1
MYD10C2
MYD10_L2
MYD10L2C
MYD10L2G
MYD13A1
MYD13A1C
MYD13A2
MYD13A2C
MYD13C1
MYD13Q1
MYD14
MYD14A1
MYD14A1C
MYD14A2
MYD14A2C
MYD14CRS
MYD14GD
MYD14GN
MYD15A1
MYD15A1C
MYD15A2
MYD15A2C
MYD29
MYD29E1D

MYD29L2C
MYD29P1D
MYD29P1N
MYD29PGD
MYD29PGN
MYD43C3
MYD44CH
MYD44CQ
MYD44CT
MYDHDFSR
MYDMGGAD
MYDMGGAN
MYDMGPGD
MYDMGPGN
MYDPT1KD
MYDPT1KN
MYDPTHKM
MYDPTPGD
MYDPTPGN
MYDPTQKM
MYDQDFSR